NON-TRADITIONAL OCCUPATIONS



High Demand Careers for Girls to Explore









Published by

Miami-Dade County Commission for Women

Miami-Dade County Public Schools Division of Career and Technical Education



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Foreword

This publication, *Non-Traditional Occupations High Demand Careers for Girls to Explore*, has been developed as a community resource guide to help students become aware of non-traditional career opportunities and to consider the full range of career options available to them unconstrained by traditional gender, cultural, or social roles. This document is to be utilized as a general guide to Miami-Dade County Public Schools (MDCPS) educational programs that lead to high skill, high-wage and high-demand careers.

"In the America of the 21st century, the role of women in the workplace should be defined by their training and abilities, not their gender."

Secretary of Labor Hilda L. Solis

WASHINGTON, March 30/PRNewswire-US Newswire/

Acknowledgements

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Introduction

Non-Traditional Occupations

DEFINITION

Occupations or field of work, including careers in computer science, technology, and other emerging high skill occupations, for which individuals from one gender comprise less than 25 percent of the individuals employed in each such occupation or field of work.

FACTS

The U.S. Department of Labor defines a non-traditional occupation for women as one in which less than 25% of those employed in the field are women ("Quick Facts on Nontraditional Occupations for Women." U.S. Department of Labor Women's Bureau).

According to <u>U.S. Department of Labor statistics</u>, in 2007 the median weekly earnings of women who worked full-time were only 80% of men's weekly earnings.

Women are under-represented in many occupations, including those in the industrial trades, technology and science fields, which typically are high-wage, high demand careers culminating in degrees or certificates.

BENEFITS

There are many nontraditional career choices and opportunities available to women. Some of the benefits of selecting a non-traditional occupation include:

- Greater job satisfaction.
- Higher wages and better benefits.
- Greater advancement opportunities.
- Economic self-sufficiency.
- Broader job opportunities.
- Information about all aspects of careers, enhancing the ability of students to make good career decisions based on the factors most important to them.

Non-Traditional Occupations and High Demand Health Careers for Girls to Explore

A few of the listed careers below require short-term postsecondary training, but most are work-ready upon successful high school completion. Consultation with your school counselor is essential to your career planning and decision making. M-DCPS will assist students in accessing internships, on-the-job training or apprenticeships, as appropriate.

If the career courses you desire are not available at your home high school, you may be eligible to transfer to a school where the courses are available with permission from the Region Office. For certain high school academies, applications are completed and submitted during the fall of the applicant's 8th grade, with assignment by random selection. Consult your counselor for information on the appropriate course of action to reach your desired goal.

Course availability changes from year to year. Please check at the beginning of each school year.

Careers	Work Descriptions	Miami-Dade Public High Schools offering courses leading to this career
Aerospace	Aircraft mechanics and maintenance: Aircraft or equipment inspection and repair; Robotics; Aviation electronics (Avionics): navigation and communications electronics; spacecraft technology.	George T. Baker Aviation School Students attend & graduate from their home high school; they may take electives at Baker in the morning or afternoon shared-time program.
	Aviation-related courses also at:	Homestead Senior High School
	NASA-SEMAA, NASA Science, Engineering, Mathematics and Aerospace Academy infused courses at:	Hialeah Senior High School Miami Central Senior High School North Miami Senior High School
Air Conditioning, Major Appliance and Refrigeration Repair	Installation, maintenance and repair of climate control, and appliances used by homes and businesses. Work in manufacturing, dealerships or repair	Miami Lakes Educational Center Robert Morgan Educational Center
•	facilities.	Dual Enrollment Offered at: Lindsey Hopkins Technical Education Center
Automotive Technology	Automotive Service Technology, Collision Repair and Service Technology, Auto Detailing.	Hialeah Senior High School Hialeah Gardens Senior High School Miami Carol City Senior High School Miami Central Senior High School Miami Jackson Senior High School Miami Lakes Educational Center Miami Northwestern Senior High School Miami Senior High School South Dade Senior High School South Dade Senior High School Southwest Miami Senior High School Dual Enrollment Offered at: Lindsey Hopkins Technical Education Center South Dade Skills Center D A Dorsey Educational Center
	Automotive Youth Education: A comprehensive program coordinating with auto manufacturers and dealers; includes electronics, hybrids, internships, on-the-job training and mentoring.	Robert Morgan Educational Center

Agriscience	Environmental Protection; Farm & Ranch Animal Certification, Landscape Design and Operation, Turf management; Biotechnology; Agriscience/Agribusiness. Turf Science Grounds Maintenance Workers	Coral Reef Senior High School Felix Varela Senior High School John Ferguson Senior High School Robert Morgan Educational Center South Dade Senior High School William Turner Technical Arts High School Dual Enrollment Offered at: D A Dorsey Educational Center
Communications Technology	Printing	Dr. Michael Krop Senior High School Miami Carol City Senior High School Miami Central Senior High School
Construction Industry	Architecture; Drafting; Computer Aided Design; Building Construction Technology, Masonry, Construction Technology	American Senior High School Barbara Goleman Senior High School Coral Gables Senior High School Design and Architecture SHS Felix Varela Senior High School G. Holmes Braddock Senior High School Hialeah Gardens Sr. High School Hialeah Miami Lakes Senior High School Homestead Senior High School John Ferguson Sr. High School Miami Carol City Senior High School Miami Coral Park Senior High School Miami Jackson Senior High School Miami Killian Senior High School Miami Palmetto Senior High School Miami Palmetto Senior High School Miami Southridge Senior High School Miami Sunset Senior High School William Turner Technical Arts High School
	Materials and Processes Shop also at:	Hialeah Senior High School Miami Coral Park Senior High School Miami Killian Senior High School Miami Senior High School Miami Southridge Senior High School Miami Spring Senior High School South Dade Senior High School South Miami Senior High School Southwest Miami Senior High School
Criminal Justice	Police Work: crime lab procedures, crime scene investigation, law enforcement, forensics (science used to investigate crimes and evidence), judicial system; emergency dispatch; private security guard.	Law Enforcement Officers' Memorial High School Booker T. Washington Senior High School Coral Reef Senior High School Miami Carol City Senior High School Miami Norland Senior High School Miami Southridge Senior High School North Miami Senior High School William Turner Technical Arts High School

Culinary Arts	Chefs, Head Cooks (While cooking is a traditional field for women, women are under-represented in the higher paying occupations such as chefs and head cooks.)	Booker T. Washington Senior High School Coral Gables Senior High School G. Holmes Braddock Senior High School Hialeah Gardens Senior High School Hialeah Miami Lakes Senior High School Homestead Senior High School John A. Ferguson Senior High School Maritime & Science Technology Academy Miami Carol City Senior High School Miami Central Senior High School Miami Coral Park Senior High School Miami Killian Senior High School Miami Lakes Education Center Miami Palmetto Senior High School Miami Southridge Senior High School Miami Southridge Senior High School Miami Sunset Senior High School Northwestern Senior High School Robert Morgan Education Center Ronald W. Reagan/Doral Senior High School South Dade Senior High School Dual Enrollment Offered at: Lindsey Hopkins Technical Education Center
Electronics	Electronics Technician, Electronics Related Fields	Miami Lakes Educational Center Robert Morgan Educational Center
Engineering	Engineering Related Fields (*Field requires a minimum of a B.A. Degree; women are under-represented in the higher paying occupations.)	American Senior High School Booker T Washington Senior High School Coral Reef Senior High School Felix Varela Senior High School Hialeah Gardens Senior High School Hialeah Senior High School Maritime & Science Technology Academy Miami Coral Park Senior High School Miami Lakes Educational Center Miami Sunset Senior High School North Miami Senior High School Robert Morgan Educational Center Terra Environmental Research Institute
Fire	Fire Fighter/Fire Rescue Fire Inspector	Miami Lakes Educational Center High School Miami Southridge Senior High School North Miami Senior High School

Health Careers	Nursing Assistant, Medical Lab Assistant, Dental Assistant, Home Health Aide, First Responder, EKG Aide, Vision Care Assistant, Pharmacy Assistant	Most courses available at: Medical Academy for Science & Technology Miami Lakes Educational Center High School Robert Morgan Educational Center William Turner Technical Arts High School Dual Enrollment Offered at: Lindsey Hopkins Technical Educational Center
	Selected courses also at:	American Senior High School Booker T. Washington Senior High School Cope Center North Coral Reef Senior High School, Dorothy Wallace Cope Center South Felix Varela Senior High School Hialeah Gardens Senior High School Hialeah Miami Lakes Senior High School Hialeah Senior High School John Ferguson Senior High School Miami Carol City Senior High School Miami Central Senior High School Miami Jackson Senior High School Miami Northwestern Senior High School Miami Palmetto Senior High School Miami Senior High School Miami Spring Senior High School Miami Spring Senior High School Worth Miami Beach Senior High School South Dade Senior High School Westland Hialeah Senior High School Dual Enrollment Offered at: Lindsey Hopkins Technical Education Center Miami Lakes Educational Center Robert Morgan Educational Center South Dade Adult Education
	Biomedical- STEM (Science, Technology, Engineering and Mathematics Program targeting college bound students)	M.A.S.T.@Homestead
	Practical Nursing	Homestead Senior High School
	Emergency Medical Technician B	A Dual Enrollment Program with Fortis College and Miami Edison SHS

Information Technology	Networking Management; Web Design; Digital & Multimedia Design; PC Support, Computer repair; Information Technology	Academy for Community Education Alonzo and Tracy Mourning Senior High Biscayne Bay Barbara Goleman Senior High School Booker T Washington Senior High School Carol City Senior High School Cope North Coral Gables SHS Corporate Academy North Dr. Michael Krop Senior High School Felix Varela Senior High School G. Holmes Braddock Senior High School Hialeah Gardens Senior High School Hialeah Gardens Senior High School Homestead Senior High School Homestead Senior High School John A. Ferguson Senior High School Miami Eduson Senior High School Miami Cortal Senior High School Miami Cortal Senior High School Miami Cortal Park High School Miami Edison Senior High School Miami Jackson Senior High School Miami Palmetto Senior High School Miami Southridge Senior High School Miami Southridge Senior High School Miami Sunset Senior High School New World School of the Arts North Miami Beach Senior High School North Miami Senior High School North Miami Senior High School North Miami Senior High School South Miami Senior High School North Miami Senior High School North Miami Senior High School North Miami Senior High School South Miami Senior High School William Turner Technical Arts High School William Turner Technical Arts High School
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Military	Reserve Officers Training (ROTC/JROTC) Leadership Training	American Senior High School (Army) Coral Gables SHS (Army) Hialeah Miami Lakes Senior HS (Army) Hialeah Senior High School (Air Force) Miami Beach Senior High School (Navy) Miami Carol City Senior High School (Army) Miami Central Senior High School (Army) Miami Coral Park Senior HS (Army) Miami Jackson Senior High School (Army) Miami Killian Senior High School (Army) Miami Norland Senior High School (Army) Miami Senior High School (Army) Miami Southridge Senior HS (Air Force) Miami Sunset Senior High School (Army) No. Miami Beach Senior High School (Army) North Western Senior High School (Army) South Dade Senior High School (Army) South Miami Senior High School (Army)
Veterinary	Veterinary Assisting	Felix Varela Senior High School John Ferguson Senior High School Robert Morgan Educational Center William Turner Technical Arts High School

Miami-Dade County Public Schools High School Locator

If school address is on the Miami-Dade County grid, city name is not included.

If school address is on city grid, city name is included.

Academy for Community Education, 39 Zamora Ave., ace.dadeschools.net/ (305)460-2946

Alonzo and Tracy Mourning Senior High Biscayne Bay, 2601 NE 151 Street, North Miami, atmourning.dadeschools.net/ (305)919-2000

American SHS, 18350 NW 67th Ave., Hialeah, ahs.dadeschools.net/ (305)557-3770

Barbara Goleman SHS, 4100 NW 89 Ave. bghs.dadeschools.net/ (305)362-0676

Booker T. Washington SHS, 1200 NW 6 Ave. btw.dadeschools.net/ (305)324-8900

Cope Center North, 9950 NW 19th Ave., copecenternorth.dadeschools.net/ (305)836-3300

Corporate Academy North, 5120 NW 24 Ave., can.dadeschools.net/ (305)634-4650

Coral Gables SHS, 450 Bird R. Coral Gables, cghs.dadeschools.net/ (305)443-4871

Coral Reef SHS, 10101 SW 152 St. coralreef.dadeschools.net / (305)232-2044

D A Dorsey Educational Center 7100 NW 17 Ave., dadorsey.dadeschools.net/ (305)693-2490

Design & Architecture SHS, 4001 NE 2nd Ave., dashschool.org/ (305)573-7135

Dorothy M. Wallace Cope South, 10225 SW 147 Terr. copeso.dadeschools.net/ (305) 233-1044

Dr. Michael M. Krop SHS, 1410 NE 215 St. mkhs.dadeschools.net/ (305)652-6808

Felix Varela SHS, 15255 SW 96 St. varelahs.dadeschools.net / (305)752-7900

G. Holmes Braddock SHS, 3601 SW 147TH Ave. ghbraddock.dadeschools.net/ (305)225-9729

George T. Baker Aviation, 3275 NW 42 Ave., Miami Springs, bakeraviation.edu/ (305)871-3143

Hialeah Gardens SHS, 11700 Hialeah Gardens Blvd., Hialeah Gardens hghs.dadeschools.net/ (305)698-5000

Hialeah SHS, 251 E. 47 St., Hialeah hhs.dadeschools.net/ (305)822-1500

Hialeah Miami Lakes SHS, 7977 W. 12 Ave., Hialeah hml.dadeschools.net/ (305)823-1330

Homestead SHS, 2351 SE 12 Ave., Homestead homesteadhigh.dadeschools.net/ (305)245-7000

John A. Ferguson SHS, 15900 SW 56 St. ferguson.dadeschools.net/ (305)408-2700

Law Enforcement Officers' Memorial SHS, 300 NW 2 Ave. schoolofjustice.dadeschools.net/ (305)371-0400

Lindsev Hopkins Technical Center 750 NW 20th St., lindsev.dadeschools.net/ (305)324-6070

Maritime & Science Technology Academy, 3979 Rickenbacker Causeway, mast.dadeschools.net/ (305)365-6278

Medical Academy for Science & Technology (M.A.S.T) @ Homestead: during 2010-2011 year located at Gateway K-8 Environmental Center, 955 SE 18 Ave. Homestead, gateway K8.dadeschools.net/ (305) 257-6000

Miami Beach SHS, 2231 Prairie Avenue, Miami Beach, miamibeachhigh.dadeschools.net/ (305)532-4515 Mater Academy Charter School, 7700 NW 98th St., Hialeah Gardens, materacademy.dadeschools.net/ (305)698-9900 Miami Carol City SHS, 3422 NW 187 St., Opa Locka mccsh.dadeschools.net/ (305)621-5681 Miami Central SHS, 1781 NW 95 St. miamicentral.dadeschools.net (305)696-4161 Miami Coral Park SHS, 8865 SW 16 St. cphs.dadeschools.net/ (305)226-6565 Miami Edison SHS, 6161 NW 5 Ct. edison.dadeschools.net/ (305)751-7337 Miami Jackson SHS, 1751 NW 36 St. generals.dadeschools.net/ (305)634-2621 Miami Killian SHS, 10655 SW 97th Avenue, killian.dadeschools.net/ (305)271-3311 Miami Lakes Education Center HS 5780 NW 158 St. mlec.dadeschools.net/ (305)557-1100 Miami Norland SHS, 1050 NW 195 St. mnorland.dadeschools.net/ (305)653-1416 Miami Northwestern SHS, 1100 NW 71 St. northwestern.dadeschools.net/ (305)836-0991 Miami Palmetto SHS, 7460 SW 118 Street, mpsh.dadeschools.net/ (305)235-1360 Miami Senior High School, 2450 SW 1st St. mhs.dadeschools.net/home.html (305)649-9800 Miami Southridge SHS, 19355 SW 114 Ave. www.miamisouthridge.com/ (305)238-6110 Miami Springs, SHS, 751 DOVE Ave., Miami Springs miamisprings.dadeschools.net/ (305)885-3585 Miami Sunset SHS, 13125 SW 72 St. sunsethigh.dadeschools.net/ (305)385-4255 New World School of the Arts, 25 NE 2nd St, mdc.edu/nwsa/ (305)237-3135 North Miami Beach SHS, 1247 NE 167 St. nmb.dadeschools.net/ (305)949-8381 North Miami SHS, 13110 NE 8 Ave. nmsh.dadeschools.net/ (305)891-6590 Robert Morgan Educational Center, 18180 SW 122 Ave. rmec.dadeschools.net/ (305)253-9920 Ronald W. Reagan/Doral SHS, 8600 NW 107 Ave. reagandoral.dadeschools.net (305)805-1900 South Dade SHS, 28401 SW 167 Ave. sdhs.dadeschools.net/ (305)247-4244

South Dade Skills Center, 28300 SW 152 Ave., Homestead, sdec.dadeschools.net/ (305) 247-7839

South Miami SHS, 6856 SW 53 St. smsh.dadeschools.net/ (305)666-5871

Southwest Miami SHS, 8855 SW 50 Terr. sweagles.dadeschools.net/ (305)274-0181

Terra Environmental Research Institute, 11005 SW 84 St, terra.dadeschools.net/ (305)412-5800

Westland Hialeah SHS, 4000 WEST 18 Ave., Hialeah westland.dadeschools.net (305)818-3000

William H. Turner Technical Arts HS, 10151 NW 19 Ave. turnertech.dadeschools.net (305)691-8324

Non-Traditional Occupations Resources to Explore

- Center for Women & Information Technology: (www.umbc.edu/cwit/)
- Cisco Least Developed Countries Initiative: (www.cisco.com/edu/ldci)
- Cisco/Cisco Learning Institute Gender Initiative: (gender.ciscolearning.org)
- Committee on Women In Science & Engineering: (www7.nationalacademies.org/cwse/)
- Diversity Careers Magazine: (www.diversitycareers.com)
- Engineer Girl: (www.swe.org/)
- Girl Scouts of America: (www.girlsgotech.org)
- Girls Get IT!: (www.flgirlsgetit.org/)
- Her Own Words (www.herownwords.com)
- Institute for Women in Trades, Technology, & Science: (www.iwitts.com)
- ITWomen: (www.ITWomen.org)
- MentorNet: (www.mentornet.net)
- MDCPS Division of Career and Technical Education (http://dcte@dadeschools.net)
- NAPE: (www.napequity.org)
- Webgrrls: (www.webgrrls.com)
- Wider Opportunities for Women (http://www.wowonline.org)
- Women in Science and Engineering Student Research Projects:
 - (library.thinkquest.org/CR0211523)
- Women Inventors: (inventors.about.com/od/womeninventors/Women Inventors.htm)
- U.S Department of Labor Women's Bureau (www.dol.gov/wb/)

ANTI-DISCRIMINATION POLICY Federal and State Laws

The School Board of Miami-Dade County, Florida adheres to a policy of nondiscrimination in employment and educational programs/activities and strives affirmatively to provide equal opportunity for all as required by law:

Title VI of the Civil Rights Act of 1964 - prohibits discrimination on the basis of race, color, religion, or national origin.

Title VII of the Civil Rights Act of 1964, as amended - prohibits discrimination in employment on the basis of race, color, religion, gender, or national origin.

Title IX of the Educational Amendments of 1972 - prohibits discrimination on the basis of gender.

Age Discrimination in Employment Act of 1967 (ADEA), as amended - prohibits discrimination on the basis of age with respect to individuals who are at least 40.

The Equal Pay Act of 1963, as amended - prohibits gender discrimination in payment of wages to women and men performing substantially equal work in the same establishment.

Section 504 of the Rehabilitation Act of 1973 - prohibits discrimination against the disabled.

Americans with Disabilities Act of 1990 (ADA) - prohibits discrimination against individuals with disabilities in employment, public service, public accommodations and telecommunications.

The Family and Medical Leave Act of 1993 (FMLA) - requires covered employers to provide up to 12 weeks of unpaid, job-protected leave to "eligible" employees for certain family and medical reasons.

The Pregnancy Discrimination Act of 1978 - prohibits discrimination in employment on the basis of pregnancy, childbirth, or related medical conditions.

Florida Educational Equity Act (FEEA) - prohibits discrimination on the basis of race, gender, national origin, marital status, or handicap against a student or employee.

Florida Civil Rights Act of 1992 - secures for all individuals within the state freedom from discrimination because of race, color, religion, sex, national origin, age, handicap, or marital status.

Veterans are provided re-employment rights in accordance with P.L. 93-508 (Federal Law) and Section 295.07 (Florida Statutes), which stipulates categorical preferences for employment.